Title: HTS Catalyst from High Purity Iron

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## Abstract

A high temperature water gas shift catalyst comprising iron and at least one promoter is prepared via a method which comprises the preparation of a high purity iron precursor and which uses a nominal amount of water in the catalyst production. The catalyst prepared according to the inventive method is more efficient in hydrogen production under the high temperature water gas shift reaction conditions in a fixed bed test than prior art catalysts of similar composition.